

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of Work:-Improvements to roads and Side drains at Adityanagara in Attur ward no-03. **Estimate Cost Rs.** 15.00 Lakhs

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 138/ Item No. 19.1/ PWD SR 2016-2017	Cum							
	Road levelling		1	220.00	5.50	0.40	484.00		
	Drain		2	220.00	0.70	0.50	154.00		
							638.00	119.78	76420.00
	Basic Rate	113.00							
	Area Weightage @ 6%	6.78							
	Total	119.78							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2016-2017	Cum							
	Culvert		2	5.50	1.20	1.00	13.20		
							13.20	299.98	3960.00
	Basic Rate	283.00							
	Area Weightage @ 6%	16.98							
	Total	299.98							

3	KSRRB M100-1 Loading and unloading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2016-17	Cum							
			Vide Item No. 1+2			651.20	72.08	46938.00	
	Basic Rate	68.00							
	Area Weightage @ 6%	4.08							
	Total	72.08							
4	KSRRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2016-17)	Cum							
	Culverts		2	5.50	1.10	0.15	1.82		
							1.82	5159.02	9364.00
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	5159.02							

5	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2015-16,p.no13,sno4.11)	Cum								
	For culvert bottom		2	5.50	1.00	0.20	2.20			
	Side walls		4	5.50	0.20	0.80	3.52			
	For deck slab		2	5.50	1.00	0.23	2.53			
	Approach concrete		2	5.50	0.60	0.15	0.99			
							9.24	6371.66	58874.00	
	Basic Rate	6011.00								
	Area Weightage @ 6%	360.66								
	Total	6371.66								
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2016-201716,p.no17,s.no4.46)	Qtl								
	0.10Tonne,s / cum						0.92	60103.06	55535.00	
	Basic Rate	56701.00								
	Area Weightage @ 6%	3402.06								
	Total	60103.06								

7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, buttresses, buttresses plinth and string course including cost of all materials, labour complete as per specification S. Specification no. KBS 4.6.2 (pwd sr2016-2017), p.no 15/4.31)	Sqm							
	Side walls		8	5.50		0.90	39.60		
	Deck slab		2	5.50	1.00		11.00		
	Basic Rate	293.00					50.60	310.58	15715.00
	Area Weightage @ 6%	17.58							
	Total	310.58							
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick (P.No 25 I.No 5.31.1)	sqm							
			2	220.00	1.65		726.00		
	Basic Rate	628.00					726.00	665.68	483284.00
	Area Weightage @ 6%	37.68							
	Total	665.68							

9	KSRRBM400-17, Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No.406 (Item no 20.18, Page no 157, PWD SR 2016-17)	Cum							
			1	220.00	5.00	0.20	220.00		
							220.00	1768.08	388978.00
	Basic Rate	1668.00							
	Area Weightage @ 6%	100.08							
	Total	1768.08							
10	KSRRB M500-6, Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH Specifications No 502 (ITEM NO 21.6, Page no 157, PWD SR 2016-17)	Sqm							
			1	220.00	5.00		1100.00		
							1100.00	27.56	30316.00
	Basic Rate	26.00							
	Area Weightage @ 6%	1.56							
	Total	27.56							

11 KSRRB M500-19: Providing and laying bituminous concrete 40mm thick with 100/120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification NO. 509, No.165 Item No. 21.22.2.PWD SR 2016-17

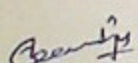
TECHNICALLY SANCTIONED FOR Rs. 15.00 Lakh
 Cum Rupees Fifteen Lakh only
 Under P. 1771-2016-17
 Registered as CE () No. 99
 Subject to conditions contained in enclosed memo L. () No. 31
 D. Estimate Sanctioned
 Date 16-2-17 Rs. 15.00 Lakh
 Executive Engineer

		1	220.00	5.00	0.040	44.00		
						44.00	7492.08	329652.00
	Basic Rate	7068.00						
	Area Weightage @ 6%	424.08						
	Total	7492.08						
12	Miscellaneous charges	L/S						964.00
							Total RS	1500000.00

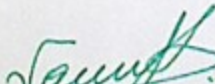
(Rupees Fifteen lakh only)

Certificate

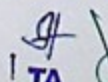
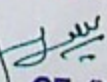
- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per C.S.R. of 2016-17
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.


 Assistant Engineer
 Ward no: 03

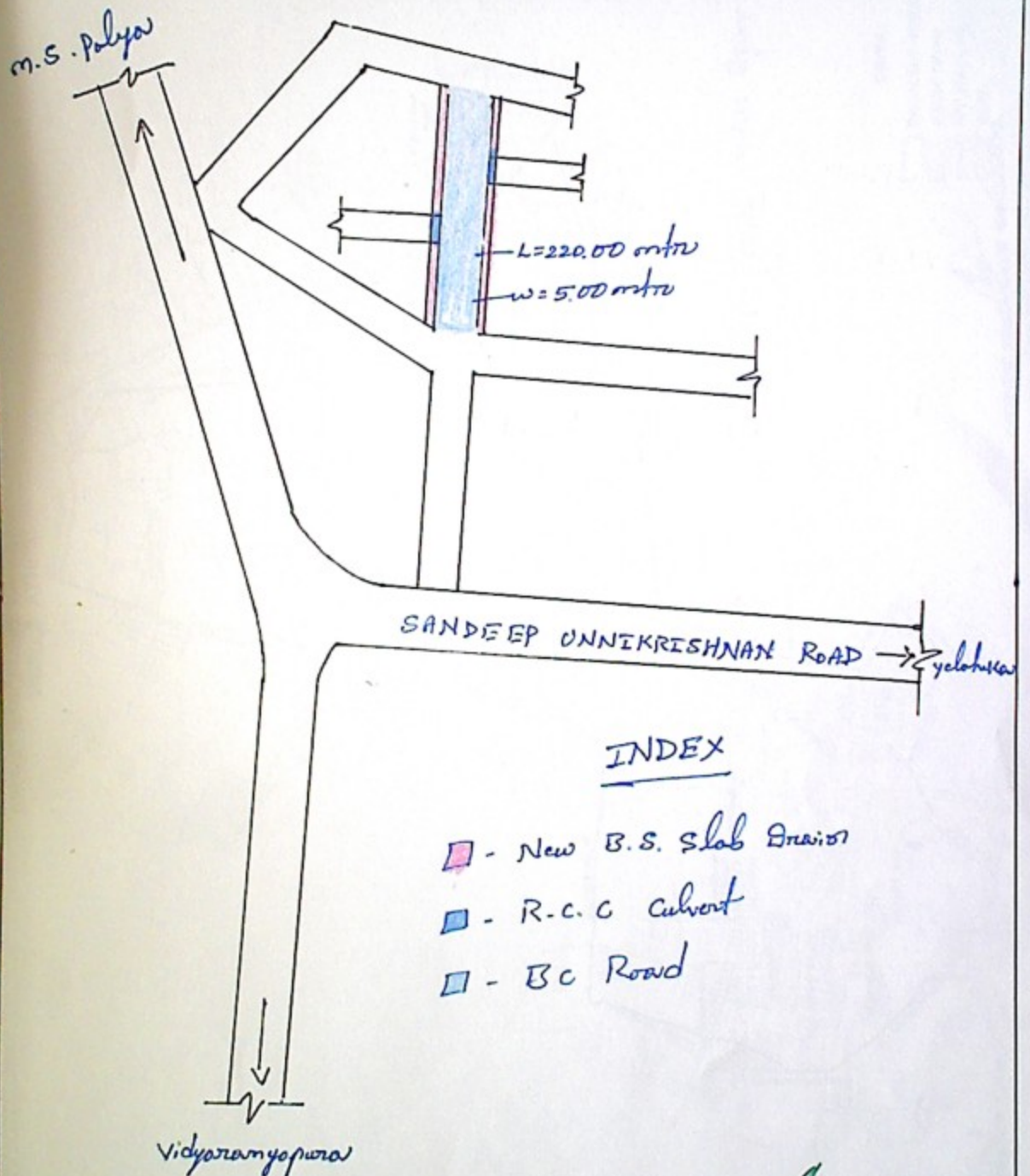

 Assistant Executive Engineer
 Yelahanka New town Sub Division
 Bangalore-64


 Executive Engineer
 Yelahanka Division
 Bangalore-64

Administrative Approval
 Accorded For 15.00 Lakh Rs
 Head of A/C. P. 1771
 CER NO : 198 Dt: 16/02/17


 TA

 CE (YNK)

Name of work:- Improvements to roads and Side drains
At Adityanagar in Attur. ward no-03.



INDEX

- - New B.S. Slab Drain
- - R.C.C Culvert
- - B.C Road

Vidyasarnyapuram

Chennai

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧೀಯಂತರು
ಯಲಹಂಕೆ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಎ. ಬೆಂಗಳೂರು-106

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 PROPOSED WARD BOUNDARY

 RIVER/ DRAIN

 RAILWAY LINE

 ROAD

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಧೀನದಲ್ಲಿ
ಯಲಹೋಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-105